

Resource Summary Report

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RSeQC

RRID:SCR_005275

Type: Tool

Proper Citation

RSeQC (RRID:SCR_005275)

Resource Information

URL: <http://code.google.com/p/rseqc/>

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Description: Software package to comprehensively evaluate different aspects of RNA-seq experiments, such as sequence quality, GC bias, polymerase chain reaction bias, nucleotide composition bias, sequencing depth, strand specificity, coverage uniformity and read distribution over the genome structure. RSeQC takes both SAM and BAM files as input, which can be produced by most RNA-seq mapping tools as well as BED files, which are widely used for gene models.

Abbreviations: RSeQC

Synonyms: rseqc - RNA-seq quality control package

Resource Type: data analysis software, data processing software, sequence analysis software, software application, software resource

Defining Citation: [PMID:22743226](#)

Keywords: python, qc, rna-seq, high throughput sequencing

Resource Name: RSeQC

Resource ID: SCR_005275

Alternate IDs: OMICS_01235

Record Creation Time: 20220129T080229+0000

Record Last Update: 20260912T195623+0000

Ratings and Alerts

No rating or validation information has been found for RSeQC.

No alerts have been found for RSeQC.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1456 mentions in open access literature.

Listed below are recent publications. The full list is available at [Kravitz](#) .

Bakhmet EI, et al. (2026) PCBP1 orchestrates amino acid metabolism burst during the naïve-to-primed pluripotency transition. Stem cell reports, 21(7), 102950.

Prasad M, et al. (2026) Genomic Enrichment and Functional Impact of TP53 and CYLD Alterations in Recurrent and Metastatic HPV-Associated Head and Neck Cancer. Clinical cancer research : an official journal of the American Association for Cancer Research, 32(9), 1809.

Ning B, et al. (2026) Upregulation of an Epithelial miRNA Is Associated with Immune Evasion in Progressive Bronchial Premalignant Lesions. Cancer immunology research, 14(4), 689.

Molnar C, et al. (2026) PUMA-induced apoptosis drives bone marrow failure and genomic instability in telomerase-deficient mice. Cell death and differentiation, 33(1), 38.

Xu L, et al. (2026) Attention-based deep learning for analysis of pathology images and gene expression data in lung squamous premalignant lesions. Genome medicine, 18(1).

Breen MS, et al. (2026) Trisomy 21 Drives ADARB1 Overexpression and Premature RNA Recoding in the Developing Fetal Brain. Nature communications, 17(1).

Zhou J, et al. (2026) MECP2 mutations disrupt pluripotent stem cell fate through remodeling of the three-dimensional genome. Cell death & disease, 17(1).

Wylie D, et al. (2026) Pervasive enhanced transcription in inflammatory breast cancer tumors and PBMCs impacts RNA splicing and intronic RNAs in plasma. Science advances, 12(18), eadu0031.

Alldred MJ, et al. (2026) Maternal Choline Supplementation in a Mouse Model of Down Syndrome and Alzheimer's Disease Generates Unique Expression Profile Mosaics Within Three Hippocampal Excitatory Neuronal Populations. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 40(7), e71625.

Hanin G, et al. (2026) ZFP57 is a regulator of postnatal growth and life-long health. Nature communications, 17(1).

Iliou A, et al. (2026) A Multiomic Approach Integrating Genomic and Metabolomic Data Highlights Colorectal Cancer Pathways. *Journal of proteome research*, 25(2), 578.

Song X, et al. (2026) A time-series transcriptomic dataset of the mouse olfactory bulb across pregnancy and lactation. *Scientific data*, 13(1).

Pekala M, et al. (2026) Lcn2 deficiency leads to long-lasting social impairments independent of maternal immune activation. *Journal of neuroinflammation*, 23(1).

Ji BW, et al. (2026) Minnelide ameliorates Col4a5+/- mice by upregulating Col4a5 and alleviating endoplasmic reticulum stress. *Frontiers in pharmacology*, 17, 1761502.

Li Z, et al. (2026) YKL-40 alleviates the TNF- α -Induced chondrocyte injury in osteoarthritis in vitro. *Scientific reports*, 16(1).

Poturnajova M, et al. (2026) Genetic attenuation of ALDH1A1 increases metastatic potential and aggressiveness in colorectal cancer. *Molecular oncology*, 20(6), 1556.

Yang L, et al. (2026) TET1 as a master regulator controlling GPX4-dependent and -independent ferroptosis surveillance in acute myeloid leukemia. *Nature communications*, 17(1), 1800.

Tong C, et al. (2026) The RNA-binding protein Squid regulates embryonic midgut development via Axin alternative splicing in *Bombyx mori*. *Communications biology*, 9(1).

Stunault MI, et al. (2026) Ketogenic diet dampens excitatory neurotransmission by shrinking synaptic vesicle pools. *Cell reports*, 45(2), 116945.

Keskin A, et al. (2026) Temporal multiomics gene expression data across human embryonic stem cell-derived polyhormonal cell differentiation. *Scientific data*, 13(1), 278.